

Title (en)
A MIXING APPARATUS

Title (de)
MISCHVORRICHTUNG

Title (fr)
APPAREIL DE MÉLANGE

Publication
EP 3944891 B1 20230426 (EN)

Application
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Priority
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Abstract (en)
[origin: EP3944891A1] Lightweight construction panels, such as plasterboard, (e.g. gypsum plasterboard) are commonly used to provide internal partitions in buildings. Sheets of plasterboard are typically carried and positioned by hand. Accordingly, it is desirable to reduce the weight of plasterboard. It is known to include an aqueous foam in the stucco slurry used to produce plasterboards. However, prior known mixers have been found to destroy foam bubbles. The present invention provides a mixing apparatus 100 including an inlet 130 for the introduction of foam into a mixing chamber 110, wherein the inlet 130 includes an inlet aperture 132 in a wall of the mixing chamber 110 and an inlet conduit 134 extending therefrom such that a relative angle between a longitudinal axis 136 of the inlet conduit 134 and a tangent 140 to a mixing path 124 defined by a mixing member 120 is less than 90 degrees.

IPC 8 full level
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